

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20050001735").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/08 16:28
S2	2	("20050161215").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:24
S3	2	("6,160,492").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 07:59
S30	1	(annular with transmission) same (inductively with converts with electrical with energy with magnetic with energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/16 17:53
S31	1	(annular near transmission) same (inductively near converts near electrical near energy near magnetic near energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/16 17:54
S32	21053	(annular near transmission) with (inductively near converts near electrical near energy near magnetic near energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/16 18:02
S33	68290	(downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 09:25
S34	110	S32 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/16 17:56

## EAST Search History

S43	2	("6,075,461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 08:07
S44	25933	Hall.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 08:07
S45	213	(David adj R) and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 08:08
S46	1	repeater same (inductively same converts same electrical same energy same magnetic same energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:02
S48	2	(downhole or borehole or drillstring) same (inductively same converts same electrical same energy same magnetic same energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 17:18
S49	2	(downhole or borehole or drillstring) same (inductively same converts same electrical same energy same magnetic same energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 10:21
S50	240	(downhole or borehole or drillstring) same repeater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 10:29
S51	19	((("5,604,468") or ("5,856,766") or ("6,249,235") or ("6,236,278") or ("6,515,553") or ("6,556,087") or ("6,600,378") or ("6,639,475") or ("6,710,951") or ("6,844,836").pn.))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 10:33

## EAST Search History

S56	12	(repeater with assembly) same (downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:44
S57	65	("2379800"   "2411696"   "3186222"   "3205477"   "3333239"   "3793632"   "3930220"   "4019148"   "4087781"   "4181014"   "4215426"   "4293936"   "4293937"   "4298970"   "4302757"   "4348672"   "4363137"   "4387372"   "4406919"   "4468665"   "4496174"   "4525715"   "4562559"   "4578675"   "4616702"   "4684946"   "4691203"   "4725837"   "4739325"   "4757157"   "4766442"   "4788544"   "4800570"   "4839644"   "4845493"   "4901069"   "4908804"   "4933640"   "4968978"   "5087099"   "5130706"   "5160925"   "5268683"   "5293937"   "5343963"   "5394141"   "5396232"   "5448227"   "5467083"   "5467832"   "5493288"   "5530358"   "5576703"   "5583504"   "5942990").PN. OR ("6218959"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/17 11:24

## EAST Search History

S64	44	(340/853.7).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:50
S65	734	(166/66).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:04
S66	662	(175/50).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:04
S67	44	(324/342).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:05
S68	116	(324/356).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:04
S69	138	(340/854.4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:04
S70	83	(340/854.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:05
S71	167	(340/854.6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:05

## EAST Search History

S72	75	(340/854.8).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 14:23
S73	55	(340/855.9).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:05
S74	104	("2354887"   "2364957"   "2389241"   "2569390"   "3209323"   "3305771"   "3408561"   "4348672"   "4387372").PN. OR ("4578675"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/17 13:38
S75	57	("1493340"   "2524031"   "2549464"   "2700131"   "2787759"   "2890019"   "3309656"   "3437992"   "3711825"   "3792428").PN. OR ("4215426").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/17 13:39
S76	164	(340/425.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 13:46
S77	174	(340/853.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 14:22
S78	167	(340/854.6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 14:22
S79	193	(340/870.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 14:22

## EAST Search History

S94	1	("4314365").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/17 15:32
S95	2	(downhole or borehole or drillstring) same (inductively same converts same electrical same energy same magnetic same energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 17:19
S96	65	("2379800"   "2411696"   "3186222"   "3205477"   "3333239"   "3793632"   "3930220"   "4019148"   "4087781"   "4181014"   "4215426"   "4293936"   "4293937"   "4298970"   "4302757"   "4348672"   "4363137"   "4387372"   "4406919"   "4468665"   "4496174"   "4525715"   "4562559"   "4578675"   "4616702"   "4684946"   "4691203"   "4725837"   "4739325"   "4757157"   "4766442"   "4788544"   "4800570"   "4839644"   "4845493"   "4901069"   "4908804"   "4933640"   "4968978"   "5087099"   "5130706"   "5160925"   "5268683"   "5293937"   "5343963"   "5394141"   "5396232"   "5448227"   "5467083"   "5467832"   "5493288"   "5530358"   "5576703"   "5583504"   "5942990").PN. OR ("6218959"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 07:49
S97	137	323/358	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:55
S98	127	(323/358).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 12:55

## EAST Search History

S99	68309	(downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:02
S10 0	368	repeater and S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:03
S10 1	2	("4496203").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 14:33
S10 2	23	("3696332"   "3879097"   "4095865"   "4220381").PN. OR ("4496203").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 14:40
S10 3	29	(repeater with assembly) and S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 15:08
S10 4	2	("5128901").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 14:51
S10 5	22	("3588804"   "3697940"   "4066995"   "4293936"   "4293937"   "4298970"   "4562559").PN. OR ("5128901").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 15:04
S10 6	71	Drumheller.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 15:08
S10 7	10	Douglas and S106	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 15:08
S10 8	7	(repeater adj assembly) and S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 15:11

## EAST Search History

S109	61	(repeater adj assembly)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:03
S110	7	(repeater adj assembly) and telemet\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 15:13
S111	44	(340/853.7).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 15:14
S112	138	(340/854.4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 15:20
S113	2	("4468665").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 09:14
S114	2	("6188223").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 09:18
S115	2	("5883516").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 09:11
S116	2	("6075461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 09:11



## EAST Search History

S12 5	10	(repeater adj assembly) with cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 16:10
S12 6	10	("repeater assembly") with cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:05
S12 7	61	("repeater assembly")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:05
S12 8	483	repeater with assembly	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:05
S12 9	83	(repeater with assembly) with cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:07
S13 0	229	(repeater with assembly) and cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:07
S13 1	68332	(downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:08
S13 2	12	S130 and S131	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:08

## EAST Search History

S13 8	14	("4001774"   "4095865"   "4683944"   "4788544"   "4799544"   "4836305"   "4914433"   "5563512"   "5950744"   "6003606"   "6015015").PN. OR ("6666274"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 14:28
S13 9	2	("4496203").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 15:04
S14 0	3	(repeater adj circuit\$4) with recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 16:10
S14 1	7	(repeater with circuit\$4) with recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 16:11
S14 2	3	(repeater near circuit\$4) with recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 16:11
S14 3	7	(repeater same circuit\$4) with recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 16:11
S14 4	70	(repeater same circuit\$4) same recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:30

## EAST Search History

S14 5	31	("2354887"   "2379800"   "2414719"   "3079549"   "3090031"   "3807502"   "3957118"   "4126848"   "4445734"   "4578675"   "4605268"   "4630243"   "4806928"   "4901069"   "4914433"   "5008664"   "5052941"   "5278550"   "5521592"   "5626190"   "5971072"   "6092610"   "6188222"   "6515592"   "6670880").PN. OR ("6866306"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:21
S14 6	40	("2153802"   "2181601"   "2411696"   "2755067"   "3967201"   "4087781").PN. OR ("4630243").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:22
S14 7	2	"20030102980"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 17:47
S14 8	14	("4001774"   "4095865"   "4683944"   "4788544"   "4799544"   "4836305"   "4914433"   "5563512"   "5950744"   "6003606"   "6015015").PN. OR ("6666274"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 18:12
S14 9	2	("20050001735").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/02 12:16
S15 0	1	(proximal and distal) and (repeater same circuit\$4) same recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:56
S15 1	27	(proximal and distal) and (repeater same circuit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:32

## EAST Search History

S15 2	772	(proximal and distal) and (downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:49
S15 3	1	(proximal and distal) and (downhole or borehole or drillstring) and (repeater same circuit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:33
S15 4	4	(proximal and distal) and (downhole or borehole or drillstring) and repeater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:33
S15 5	719	(proximal and distal) and (downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/02 12:49
S15 6	2	("6666174").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/02 12:54
S15 7	2	("6666274").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/02 12:54
S15 8	3	(downhole or borehole or drillstring) and (repeater same circuit\$4) same recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:57
S15 9	11	(downhole or borehole or drillstring) and (repeater same circuit\$4) and recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:58

## EAST Search History

S16 0	4	(downhole or borehole or drillstring) and (repeater same recess)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 12:58
S16 1	21056	(annular near transmission) with (inductively near converts near electrical near energy near magnetic near energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 14:01
S16 2	68466	(downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 14:01
S16 3	110	S161 and S162	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 14:02
S16 4	430	(annular near transmission)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:45
S16 5	12	S163 and S164	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 14:01
S16 6	2	("6950034").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 08:18
S16 7	46	("2301783"   "2379800"   "2414719"   "3079549"   "3090031"   "3186222"   "3227973"   "3879097"   "4348672").PN. OR ("4605268").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 09:08

## EAST Search History

S16 8	2	("20050001735").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 09:43
S16 9	1	(downhole same (repeater near assembly) same (cylindrical near housing) same (proximal and distal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 09:45
S17 0	1	((downhole or borehole or drillstring) same (repeater near assembly) same (cylindrical near housing) same (proximal and distal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 09:45
S17 1	1	((downhole or borehole or drillstring) and (repeater near assembly) and (cylindrical near housing) and (proximal and distal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 09:46
S17 2	2	((downhole or borehole or drillstring) and (repeater near assembly) and (cylindrical near housing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 09:46
S17 3	17	((downhole or borehole or drillstring) and (repeater) and (cylindrical near housing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 09:54
S17 4	140	((downhole or borehole or drillstring) and repeater and cylindrical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 12:57
S17 5	14	("4001774"   "4095865"   "4683944"   "4788544"   "4799544"   "4836305"   "4914433"   "5563512"   "5950744"   "6003606"   "6015015").PN. OR ("6666274").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 11:21

## EAST Search History

S18 2	31	("2354887"   "2379800"   "2414719"   "3079549"   "3090031"   "3807502"   "3957118"   "4126848"   "4445734"   "4578675"   "4605268"   "4630243"   "4806928"   "4901069"   "4914433"   "5008664"   "5052941"   "5278550"   "5521592"   "5626190"   "5971072"   "6092610"   "6188222"   "6515592"   "6670880").PN. OR ("6866306"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 14:39
S18 3	1	(annular near recess) same (proximal and distal) same (annular near transmission near element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:47
S18 4	4	(annular near recess) same (annular near transmission near element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:08
S18 5	8	(annular near recess) and (annular near transmission near element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:08
S18 6	2	(annular near transmission) and (repeater same recess)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:46
S18 7	3	(annular near transmission) and repeater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:46
S18 8	1	(annular near recess) and (proximal and distal) and (annular near transmission near element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:47

## EAST Search History

S189	1	(annular and recess) and (proximal and distal) and (annular near transmission near element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:47
S190	1430	(annular and recess) and (proximal and distal) and (annular and transmission and element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 16:48
S191	2	((downhole or borehole or drill?string) and repeater and cylindr\$5) and (annular and recess) and (proximal and distal) and (annular and transmission and element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 17:32
S192	28	(downhole or borehole or drill?string) and (annular and recess) and (proximal and distal) and (annular and transmission and element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 17:26
S193	12	"6,075,461"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 17:27
S194	2	("6,218,959").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 17:28
S195	2	("6,177,882").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 17:31
S196	2	("6018501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 17:31



## EAST Search History

S19 7	278	(downhole or borehole or drill?string) and (repeater and circuit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 17:37
S19 8	37	(downhole or borehole or drill?string) and (repeater near circuit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 17:37
S19 9	42	"5,339,037"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 15:04
S20 0	4	"20020193004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 15:04
S20 1	9821	(annular near transmission near element near inductively near converts near electrical energy near magnetic near energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 17:46
S20 2	68485	(downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 17:09
S20 3	91	S202 and S201	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 17:09

## EAST Search History

S20 9	15	(transfer and load) same (secondary and shoulder and insert)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:29
S21 0	9821	(annular near transmission near element near inductively near converts near electrical energy near magnetic near energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:30
S21 1	68485	(downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:30
S21 2	91	S211 and S210	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:35
S21 3	29	S212 and stresses	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:34
S21 4	1893	S211 and (transfer and stresses)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:35
S21 5	526	S210 and (transfer and stresses)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:35
S21 6	19	S214 and S215	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/05 14:35

## EAST Search History

S21 7	1	(absorb\$3 near stress near normally near incident)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 08:21
S21 8	7861	(absorb\$3 near stress\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:54
S21 9	68523	(downhole or borehole or drillstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 08:22
S22 0	35	S219 and S218	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:28
S22 1	375	repeater and S219	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 08:22
S22 2	2	S221 and S218	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 08:45
S22 3	128	S221 and stress\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 08:46
S22 4	2	("6264395").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 09:28

## EAST Search History

S22 5	46	("0172903"   "0191159"   "0690676"   "1788363"   "1958915"   "2005564"   "2212153"   "2252912"   "2286926"   "2331631"   "2524707"   "3363475"   "3501997"   "3947009"   "3963228"   "4139994"   "4176714"   "4210316"   "4354395"   "4354397"   "4398898"   "4552230"   "4571162"   "4619334"   "4661052"   "4969518"   "4997037"   "5351752"   "5450897").PN. OR ("5509475"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/06 09:39
S22 6	4	("4501406"   "4750706"   "6025671"   "6400066").PN. OR ("6749126").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/06 09:51
S22 7	577	shoulder and (absorb\$3 near stress\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:56
S22 8	1	S221 and S227	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:55
S22 9	44	(340/853.7).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 09:55
S23 0	2	(secondary near shoulder) and (absorb\$3 near stress\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:56
S23 1	9	(secondary near ( support or shoulder)) and (absorb\$3 near stress\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:58

## EAST Search History

S23 2	9	(secondary near (Support or bear or shoulder)) and (absorb\$3 near stress\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:58
S23 3	3417	(Support or bear or shoulder) and (absorb\$3 near stress\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:59
S23 4	53	(Support or bear or shoulder) near (absorb\$3 near stress\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:08
S23 5	29	S219 and S233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:18
S23 6	2	("6666274").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 12:19
S23 7	44	(340/853.7).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 16:37
S23 8	27	sensor and S237	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 16:37
S23 9	3989	(downhole or borehole or drillstring) and ((pressure adj transducer) or inclinometer or thermocoupl\$2 or accelerometer or (imaging adj device) or (seismic adj device))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 11:07

## EAST Search History

S24 0	134	S239 and repeater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 11:08
S24 1	2	("5,188,872").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/07 10:26
S24 2	19	("3277433"   "3700939"   "3716828"   "4283780"   "4302826"   "4518888").PN. OR ("5222049").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/07 10:47
S24 3	9	("3900827"   "3906434"   "4283780"   "5128902"   "5222049"   "5365997"   "5568448"   "5675325"   "6272916").PN. OR ("6804875"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/07 10:53
S24 4	558	(downhole or borehole or drillstring) and (((pressure adj transducer) or inclinometer or thermocouple\$2 or accelerometer or (imaging adj device) or (seismic adj device)) and (data adj acquisition))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 11:08
S24 5	34	S244 and repeater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 11:08
S24 6	1	"6264395".PN.	USPAT; USOCR	OR	ON	2006/04/07 17:06

## EAST Search History

S24 8	0	((Support or bear or shoulder) near (absorb\$3 near stress\$2)) and S247	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:08
S24 9	0	(shoulder near stress\$2) and S247	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:09
S25 0	15	(shoulder and stress\$2) and S247	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:09
S25 1	2	("4605268").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/07 17:19